

POSITIVE SYSTEMS

ADAR System 5500, Multispectral 1-Meter Data Set

PHASE II - Data Specifications

Specifications	MOS-G1 Georeferenced Mosaic
Post-Flight Correction	<ul style="list-style-type: none"> • See the IM-Rli-55 specifications for pixel co-registration • Correction for lens vignetting effects. • Radiometric adjustment for sensor nonuniformities • Dark current subtraction: 8bit Subtract mean dark current value
Spectral Band Pass (blue)	450 - 515 nm
Spectral Band Pass (green)	525 - 605 nm
Spectral Band Pass (red)	630 - 690 nm
Spectral Band Pass (NIR)	750 - 860 nm
Radiometric Quantization	8-bits per spectral channel
Radiometric Accuracy & Stability	<ul style="list-style-type: none"> • No radiometric accuracy specified. Radiometric normalization between flight lines should be performed to enhance visual quality of product.
Spatial Resolution and Image Quality (at all field angles)	<p>Benign Terrain:</p> <ul style="list-style-type: none"> • Terrain Change: under 200m, along any flightline • GSD: .7m GSD +/- .1m • FWHM of line spread function (derived from an edge target response): less than 1.5m • Mosaic Accuracy: • Error smaller than 12.2m across at 90% of ground control points <p>Rugged Terrain:</p> <ul style="list-style-type: none"> • Terrain Change: 201m to 750 meters, along any flightline • GSD: .8m GSD +/- .2m

	<ul style="list-style-type: none"> ● FWHM of line spread function (derived from an edge target response): less than 2m ● Error smaller than 33m across at 90% of ground control points <p>Extreme Terrain:</p> <ul style="list-style-type: none"> ● Terrain Change; 751m to 1500meters, along any flightline ● GSD: 1m GSD +/- 0.4m ● FWHM of line spread function (derived from an edge target response): less than 2.8m guarantee of full coverage ● Mosaic Accuracy ● Error smaller than 50m across at 90% of ground control points <p>Severe Terrain:</p> <ul style="list-style-type: none"> ● Terrain Change:>1501meters, along any flightline ● No guaranteed spatial resolution accuracy ● No guarantee of full coverage ● Mosaic Accuracy ● No guaranteed geolocation accuracy ● No guarantee of complete coverage ● Contractor will use best efforts to provide a usable mosaic
Image File Format	Formats compatible to accepted image analysis packages such as ArcInfo, ERDAS Imagine, ENVI and ER Mapper
Metadata File Format	Intermediate level ECS Metadata Std.
Percent Cloud Cover (site)	Less than 10% across full dataset
Absolute Geolocation Accuracy	See accuracy's listed above
Resampling Algorithm	Most Appropriate